

Converting Colors

YIQ(47.2020, 20.5830, 17.9510)

Have a look what the booklet for
YIQ(47.2020, 20.5830, 17.9510)
contains.

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Color

**YIQ(47.2020, 20.5830,
17.9510)**

Conversions

Conversions Part 1

Format	Color
Hex	4E1E37
RGB	78, 30, 55
RGB Percent	31%, 12%, 22%
CMY	0.6940, 0.8824, 0.7843
CMYK	0.00, 0.62, 0.29, 0.69
HSL	329°, 44%, 21%
HSV	329°, 62%, 31%
XYZ	4.2983, 2.8246, 3.9351
YIQ	47.2020, 20.5830, 17.9510

Conversions

Conversions Part 2

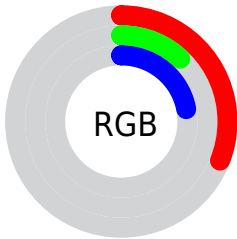
Format	Color
RYB	78, 30, 55
Decimal	5119543
CIELab	19.33, 25.87, -5.22
CIELCh	19, 26.386, 348.600
Yxy	2.8246, 0.3887, 0.2554
Android (android.graphics.Color)	4283309623 (0xFF4E1E37)
YUV	47.2020, 3.8444, 27.0098
Hunter-Lab	16.8066, 16.2403, -2.1175




Details

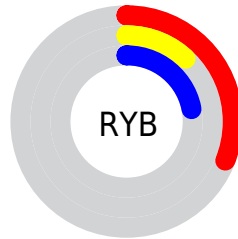
The YIQ color **47.2020, 20.5830, 17.9510** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **60.7980, -20.5830, -17.9510**, and the grayscale version is **47.0000, 0.0000, 0.0000**.




A 20% lighter version of the original color is **94.8110, 23.2420, 19.3220**, and **11.7190, 17.3290, 10.8410** is the 20% darker color. If you saturate the color by 10%, you get **42.0500, 24.0670, 20.8910**, and if you desaturate by 10%, it is **52.3540, 17.0990, 15.0110**.

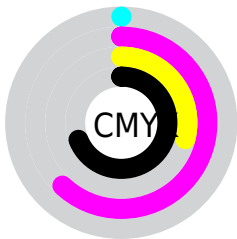
Distribution







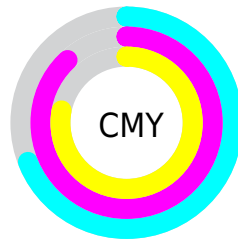
-  Red (31%)
-  Green (12%)
-  Blue (22%)






-  Red (31%)
-  Yellow (12%)
-  Blue (22%)



-  Cyan (0%)
-  Magenta (62%)
-  Yellow (29%)
-  Black (69%)



-  Cyan (69%)
-  Magenta (88%)
-  Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 47.2020, 20.5830, 17.9510 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the YIQ color 47.2020, 20.5830, 17.9510 by changing the saturation by 10% instead.

■ 47.2020, 20.5830,
17.9510

■ 47.2020, 20.5830,
17.9510

■ 255.0000, -0.0000,
-0.0000

■ 24.1310, 19.3450,
18.3610

■ 94.8110, 23.2420,
19.3220

■ 11.7190, 17.3290,
10.8410

■ 120.4090, 24.4340,
19.7460

■ 0.0000, 0.0000,
0.0000

■ 146.1210, 25.3050,
20.4810

■ 173.3060, 26.2220,
20.3820

■ 201.0180, 27.0930,
21.1170

■ 224.5440, 19.6200,

18.8840

243.8470, 5.2250,
9.9370

47.2020, 20.5830,
17.9510

47.2020, 20.5830,
17.9510

42.0500, 24.0670,
20.8910

52.3540, 17.0990,
15.0110

37.0120, 27.2300,
24.1420

57.3920, 13.9360,
11.7600

32.4470, 30.4390,
26.5590

61.9570, 10.7270,
9.3430

27.9960, 33.3270,
29.2870

67.1090, 7.2430,
6.4030

72.2610, 3.7590,
3.4630

■ 77.2990, 0.5960,
0.2120

■ 82.4510, -2.8880,
-2.7280

■ 87.0160, -6.0970,
-5.1450

■ 92.1680, -9.5810,
-8.0850

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



48.7640, 4.2610, 16.3970



47.2020, 20.5830, 17.9510



46.2320, 29.0660, 12.8900

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



47.2020, 20.5830, 17.9510



43.0870, 12.3360, -14.3200



40.8350, -39.2000, -5.4400

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



47.2020, 20.5830, 17.9510



60.7980, -20.5830, -17.9510

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



39.5980, -34.3390, -10.9390



47.2020, 20.5830, 17.9510



40.8550, -7.5620, -17.1460

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



47.2020, 20.5830, 17.9510



44.6480, 24.1180, -7.5780



37.3180, -27.9190, -17.1590



39.5130, -40.9890, -0.5490

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



47.2020, 20.5830, 17.9510



45.7280, 30.3050, 6.9530



37.3180, -27.9190, -17.1590



40.2650, -37.5950, -6.9950

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



47.2020, 20.5830, 17.9510



90.4080, 7.8390, 6.6150



42.0500, -2.2960, 19.5920



43.9730, 4.6300, 4.1980



179.0000, -0.0000, -0.0000



51.0000, -0.0000, -0.0000

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



47.2020, 20.5830, 17.9510



53.8710, 32.1810, 28.0290



44.5800, 27.9660, 10.7980



35.4240, 1.7420, 1.4700



36.5400, 43.7790, 38.1070



82.4500, 98.5600, 86.0800

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



47.2020, 20.5830, 17.9510



53.8710, 32.1810, 28.0290



63.4200, -27.9660, -10.7980



35.4240, 1.7420, 1.4700



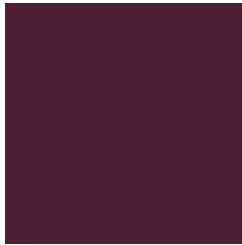
36.5400, 43.7790, 38.1070



82.4500, 98.5600, 86.0800

Previews

White Background



This preview shows how the YIQ color 47.2020, 20.5830, 17.9510 looks on a white background.

Color Contrast Check

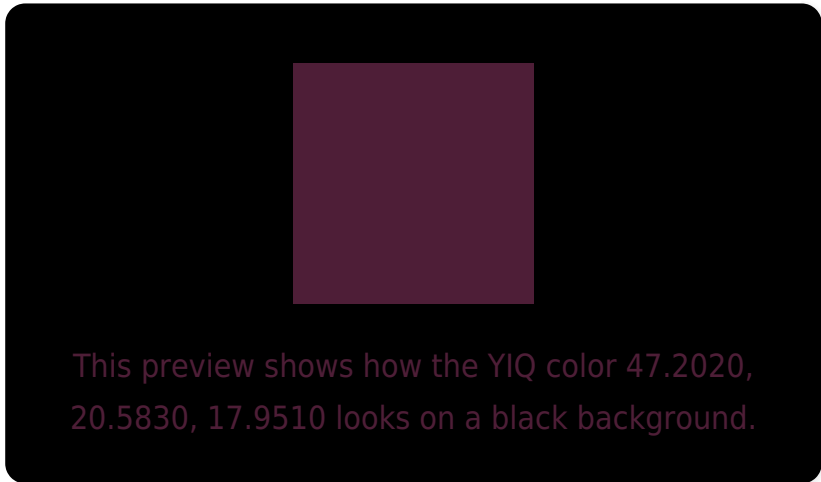
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

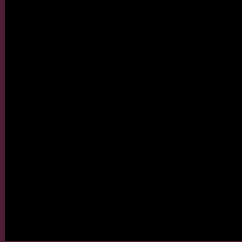
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 47.2020, 20.5830, 17.9510

Background



This preview shows how black text looks on a background with the YIQ color 47.2020, 20.5830, 17.9510.



This preview shows how white text looks on a background with the YIQ color 47.2020, 20.5830,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

47.2020, 20.5830, 17.9510

Protanopia

47.7850, -9.4000, 5.1600

Deuteranopia

48.5810, -0.1380, 2.5020



Tritanopia

46.9000, 24.0690, 9.8370

Trichromacy



Original Color

47.2020, 20.5830, 17.9510

Protanomaly

47.6940, 1.2820, 9.8100

Deuteranomaly

48.1630, 7.1510, 8.0710

Tritanomaly

47.4100, 22.6930, 12.7490

Monochromacy



Original Color

47.2020, 20.5830, 17.9510

Achromatopsia

47.0000, 0.0000, 0.0000

Achromatomaly

47.1090, 7.2430, 6.4030

CSS Examples

Text

The CSS property to change the color of the text to YIQ 47.2020, 20.5830, 17.9510 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(78, 30, 55)` looks like.

```
.text, #text, p{  
    color:rgb(78, 30, 55)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(78, 30, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 30, 55) }
```

Border

The CSS property to change the border of an element to YIQ 47.2020, 20.5830, 17.9510 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(78, 30, 55) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(78, 30, 55) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(78, 30, 55) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 30, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 30, 55);  
box-shadow:4px 4px 4px 4px rgb(78, 30, 55)  
}
```

Background

The CSS property to change the background color of an element to YIQ 47.2020, 20.5830, 17.9510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 30, 55) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(78, 30,  
55) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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